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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/840,125	05/06/2004	Steve Ming Ting	TSM03-0945	7245
43859 75	90 09/25/2006		EXAMINER	
SLATER & MATSIL, L.L.P.			CRANE, SARA W	
17950 PRESTON ROAD, SUITE 1000 DALLAS, TX 75252			ART UNIT	PAPER NUMBER
21.221.13, 111			2811	
			DATE MAILED: 09/25/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/840,125	TING ET AL.				
Office Action Summary	Examiner	Art Unit				
	Sara W. Crane	2811				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period way reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timustilly apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. sely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 29 Ju	Responsive to communication(s) filed on <u>29 June 2006</u> .					
.—	,—					
•	) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ⊠ Claim(s) 16-28 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 16-28 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the to discount of the today of the learning of the drawing of the dr	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>						
Attachment(s)  1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

Application/Control Number: 10/840,125

Art Unit: 2811

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 112

Claims 16-28 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claim 16 as amended states that a "thickness of the notched spacer alongside the gate electrode is thinner near the substrate." As support for the amendment, Applicant's remarks refer to a sentence in paragraph [0025], which states that a portion of the first dielectric layer 126 may remain on the side of the gate electrode 122. This sentence does not say anything at all about the thickness of the portion of the dielectric layer that remains, and certainly does not teach that the thickness of the spacer is thinner near the substrate.

Claim 24 as amended states that the etching process removes "at least a portion of the first layer along the surface of the substrate." There appears to be no support in the specification for removing "a portion" of the first layer along the substrate. The figures and discussion of the figures teach to remove *all* of the first layer that lies along the substrate. Compare figure 1d and 1e, for example.

Applicant's remarks have been considered, but are not convincing. As noted above, the paragraph relied upon for support for the amendment to claim 16, for

example, says that a portion of the first dielectric layer 126 "may remain," but there does not seem to be any teaching about that portion being "thinner near the substrate" as required by the claim language.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. Crane, whose telephone number is (571) 272-1652.

The supervisor for Art Unit 2811, Eddie Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sara W. Crane Primary Examiner Art Unit 2811